## WHAT IS CLAIMED IS:

1. An electronic device, comprising:

a semiconductor chip having a first surface in electrical communication with a substrate;

a heat spreader being arrayed in closely spaced relationship with an opposite surface of said semiconductor chip; and

adhesive means bonding said heat spreader to said semiconductor chip, said adhesive means comprising an electrically conductive adhesive positioned on a center or an areal surface portion of said semiconductor chip, and an electrically non-conductive adhesive extending about said electrically conductive adhesive for concurrently bonding said heat spreader to said semiconductor chip.

- 2. An electronic device, as claimed in Claim 1, wherein said heat spreader comprises an electrically conductive material forming an electrical connection with said semiconductor chip through said electrically conductive adhesive.
- 3. An electronic device, as claimed in Claim 1, wherein said heat spreader is constituted of a heat-absorbing and dissipating material.
- 4. An electronic device, as claimed in Claim 2, wherein said heat spreader is selected from the group of materials consisting of copper, silver or aluminum.
- 5. An electronic device, as claimed in Claim 1, wherein said heat spreader comprises a plate-shaped lid or cap member adhesively bonded to said semiconductor chip.
- 6. An electronic device, as claimed in Claim 1, wherein said electrically conductive adhesive comprises a silicone adhesive electrically connecting said heat spreader and said semiconductor chip.
- 7. An electronic device, as claimed in Claim 1, wherein said electrically non-conductive adhesive comprises a thermally conductive silicone adhesive for conveying heat from said semiconductor chip to said heat spreader.

- 8. An electronic device, as claimed in Claim 1, wherein said electrically conductive adhesive is deposited on the areal surface portion of said semiconductor chip surface to form an about 1 mm diameter bond area with said heat spreader.
- 9. An electronic device, as claimed in Claim 8, wherein said electrically non-conductive adhesive is deposited on said semiconductor chip so as to cover the remaining surface area of said chip extending about said electrically conductive adhesive.
- 10. An electronic device, as claimed in Claim 8, wherein said heat spreader is spaced from said semiconductor chip to provide a bondline thickness of about 0.025 mm to 0.15 mm for said adhesives.
- 11. A method of forming an electronic device, said method comprising:

  providing a semiconductor chip having a first surface in electrical communication
  with a substrate;

arranging a heat spreader in closely spaced relationship with an opposite surface of said semiconductor chip; and

having adhesive means bond said heat spreader to said semiconductor chip, said adhesive means comprising an electrically conductive adhesive positioned on a center or an areal surface portion of said semiconductor chip, and an electrically non-conductive adhesive extending about said electrically conductive adhesive for concurrently bonding said heat spreader to said semiconductor chip.

- 12. A method, as claimed in Claim 11, wherein said heat spreader comprises an electrically conductive material forming an electrical connection with said semiconductor chip through said electrically conductive adhesive.
- 13. A method, as claimed in Claim 11, wherein said heat spreader is constituted of a metallic heat-absorbing and dissipating material.

- 14. A method, as claimed in Claim 12, wherein said heat spreader is selected from the group of materials consisting of copper, silver or aluminum.
- 15. A method, as claimed in Claim 11, wherein said heat spreader comprises a plate-shaped lid or cap member adhesively bonded to said semiconductor chip.
- 16. A method, as claimed in Claim 11, wherein said electrically conductive adhesive comprises a silicone adhesive electrically connecting said heat spreader and said semiconductor chip.
- 17. A method, as claimed in Claim 11, wherein said electrically non-conductive adhesive comprises a thermally conductive silicone adhesive for conveying heat from said semiconductor chip to said heat spreader.
- 18. A method, as claimed in Claim 11, wherein said electrically conductive adhesive is deposited on the areal surface portion of said semiconductor chip surface to form an about 1 mm diameter bond area with said heat spreader.
- 19. A method, as claimed in Claim 18, wherein said electrically non-conductive adhesive is deposited on said semiconductor chip so as to cover the remaining surface area of said chip extending about said electrically conductive adhesive.
- 20. A method, as claimed in Claim 18, wherein said heat spreader is spaced from said semiconductor chip to provide a bondline thickness of about 0.025 mm to 0.15 mm for said adhesives.